

Application Serial  
10/047,207

In view of the above, an early and favorable  
consideration of the above captioned patent application  
is respectfully requested.

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS**

Claim 1 has been amended as follows:

1. (Amended) An integrated signal isolator having first and second ends, wherein the integrated signal isolator comprises:

first and second isolator input terminals;

first and second isolator output terminals;

first and second power supply terminals;

first, second, third, and fourth magnetoresistors, wherein the first and second magnetoresistors are coupled to the first isolator output terminal, wherein the second and third magnetoresistors are coupled to the first supply terminal, wherein the third and fourth magnetoresistors are coupled to the second isolator output terminal, and wherein the first and fourth magnetoresistors are coupled to the second supply terminal; and,

an input strap having at least one turn coupled between the first and second isolator input terminals, wherein the input strap is disposed with respect to the

first, second, third, and fourth magnetoresistors so that a magnetic field is generated over two of the magnetoresistors in one direction, so that a magnetic field is generated over the other two of the magnetoresistors in an opposite direction[, and so that, when input current flows between the first and second isolator input terminals, a resistance of the first magnetoresistor tracks a resistance of the third magnetoresistor, and a resistance of the second magnetoresistor tracks a resistance of the fourth magnetoresistor].

The following claim 31 has been added:

31. The integrated signal isolator of claim 1 wherein the input strap is disposed with respect to the first, second, third, and fourth magnetoresistors so that, when input current flows between the first and second isolator input terminals, a resistance of the first magnetoresistor tracks a resistance of the third magnetoresistor, and a resistance of the second magnetoresistor tracks a resistance of the fourth magnetoresistor.